

What is claimed is:

1. A backup system which backs up memory
2 information in a cell phone to a terminal by
3 transmitting/receiving electronic mail, wherein
4 said terminal comprises instruction mail
5 creating means for creating, as backup instruction mail,
6 electronic mail having information for instructing to
7 perform backup stored in a header portion, and
8 backup means for analyzing the header portion
9 of the received electronic mail, and when detecting that
10 the mail is backup response mail from said cell phone,
11 decoding a text of the received backup response mail and
12 backing up the text, and
13 said cell phone comprises response mail
14 creating means for analyzing the header portion of the
15 received electronic mail, creating, as backup response
16 mail, electronic mail having a text in which the memory
17 information in said cell phone is coded and written,
18 when detecting that the mail is backup instruction mail
19 from said terminal, and transmitting the mail to said
20 terminal.

2. A system according to claim 1, wherein said
2 cell phone further comprises notification means for
3 notifying a notification destination associated with an
4 owner of a corresponding cell phone of information

5 associated with backup processing upon completion of
6 backup.

3. A system according to claim 1, wherein
2 the header portion of the backup instruction
3 mail contains authentication information for a
4 terminal-side user which is personal identification
5 information obtained as a result of computing specific
6 header information according to a predetermined
7 algorithm, and
8 said cell phone performs personal
9 identification for the user from specific header
10 information and a computation result based on the
11 predetermined algorithm when receiving backup
12 instruction mail.

4. A system according to claim 1, wherein
2 said terminal includes a backup schedule
3 table, and
4 said instruction mail creating means
5 automatically creates backup instruction mail in
6 accordance with said backup schedule table and transmits
7 the mail to said cell phone.

5. A system according to claim 1, wherein
2 said terminal further comprises instruction
3 mail creating means for creating, as restore instruction

4 mail, electronic mail containing a header portion in
5 which information for instructing to restore is stored
6 and a mail text in which memory information to be
7 restored is coded and written, and
8 said cell phone further comprises restore
9 means for analyzing a header portion of electronic mail
10 when receiving the mail from said terminal, and when
11 detecting that the mail is restore instruction mail,
12 decoding and restoring the text of the restore
13 instruction mail.

6. A system according to claim 5, wherein said
2 cell phone further comprises notification means for,
3 after completion of restore, notifying a notification
4 destination associated with an owner of a corresponding
5 cell phone of information associated with restore
6 processing.

7. A system according to claim 5, wherein
2 the header portion of the restore instruction
3 mail contains authentication information for a
4 terminal-side user which is personal identification
5 information obtained as a result of computing specific
6 header information according to a predetermined
7 algorithm, and
8 said cell phone performs personal
9 identification for the user from specific header

10 information and a computation result based on the
11 predetermined algorithm when receiving restore
12 instruction mail.

8. A system according to claim 5, further
2 comprising completion notification mail creating means
3 for creating restore completion notification mail and
4 transmitting the mail to said cell phone upon completion
5 of restore.

9. A backup system which restores memory
2 information in a cell phone from a terminal by
3 transmitting/receiving electronic mail, wherein
4 said terminal comprises instruction mail
5 creating means for creating, as restore instruction
6 mail, electronic mail containing a header portion in
7 which information for instructing to restore is stored
8 and a mail text in which memory information to be
9 restored is coded and written, and
10 said cell phone comprises restore means for
11 analyzing the header portion of the electronic mail when
12 receiving the mail from said terminal, and when
13 detecting that the mail is restore instruction mail,
14 decoding and restoring a text of the restore instruction
15 mail.

10. A backup method of backing up memory

2 information in a cell phone to a terminal by
3 transmitting/receiving electronic mail, comprising the
4 steps of:
5 transmitting, as backup instruction mail from
6 the terminal, electronic mail having a header portion in
7 which information for instructing to perform backup is
8 stored;
9 causing the cell phone to analyze the header
10 portion of the electronic mail from the terminal;
11 when detecting that the mail is backup
12 instruction mail, transmitting, from the cell phone to
13 the terminal as backup response mail, electronic mail
14 having a text in which memory information in the cell
15 phone is coded and written;
16 causing the terminal to analyze the header
17 portion of the electronic mail when receiving the
18 electronic mail from the cell phone; and
19 when detecting that the mail is backup
20 response mail, decoding and backing up the text of the
21 electronic mail.

11. A method according to claim 10, further
2 comprising the steps of:
3 transmitting, as restore instruction mail from
4 the terminal, electronic mail containing a header
5 portion in which information for instructing to restore
6 is stored and a mail text in which memory information to

7 be restored is coded and written;
8 causing the cell phone to analyze the header
9 portion of the electronic mail when receiving the
10 electronic mail from the terminal; and
11 when detecting that the mail is restore
12 instruction mail, decoding and restoring the text of the
13 electronic mail.

12. A method according to claim 11, further
2 comprising the step of, after completion of backup and
3 restore, causing the cell phone to notify a notification
4 destination associated with an owner of a corresponding
5 cell phone that the memory information has been backed
6 up and restored.

13. A method according to claim 11, wherein
2 the header portions of the backup instruction
3 mail and restore instruction mail contain authentication
4 information for a terminal-side user which is personal
5 identification information obtained as a result of
6 computing specific header information according to a
7 predetermined algorithm, and
8 the method further comprises the step of
9 causing the cell phone to perform personal
10 identification for the user from specific header
11 information and a computation result based on the
12 predetermined algorithm when receiving the backup

13 instruction mail and restore instruction mail.

14. A method according to claim 11, further
2 comprising the step of creating restore completion
3 notification mail and transmitting the mail to the cell
4 phone upon completion of restore.